

What is claimed is:

1. A golf club for impacting a golf ball comprising:  
  
a club head having a club face with a plurality of infrared sources, a plurality of infrared sensors, and indicators configurable to indicate club face alignment;  
  
said sensors configured on said club head to receive infrared signals from said infrared sources and to transmit signals in response to said infrared signals received;  
  
a filter means for blocking direct current signals transmitted by said infrared sensors; and  
  
processing means for receiving filtered signals from said infrared sensors, for determining the club face alignment based upon the signals received;  
  
and for activating said indicators to indicate club face alignment.
2. The device of claim 1 wherein said microprocessor is programmed to activate said indicators in an aligned or misaligned configuration for a predetermined period of time.
3. The device of claim 1 further including an impact sensor for generating a signal received by said microprocessor indicating club head impact.
4. The device of claim 3, wherein said impact sensor is a sounder.
5. The device of claim 1, wherein said infrared sources are pulsed at a rate of 2-6 kilohertz.
6. The device of claim 1, wherein said filter means is a capacitor.
7. The device of claim 1, wherein said infrared sources are pulsed at a rate of 4 kilohertz.
8. The device of claim 1, wherein said infrared sources are supplied additional power by a capacitor in communication with said infrared sources.

9. A golf club for impacting a golf ball comprising:

a club head having a club face with a plurality of infrared sources, a plurality of infrared sensors, and indicators to indicate club face alignment;

said infrared sources pulsed at a rate of 4 kilohertz;

said sensors configured on said club head to receive pulsed infrared signals from said infrared sources and to transmit signals in response to said pulsed infrared signals received;

filter means for blocking direct current signals transmitted by said infrared sensors;

processing means for receiving signals from said infrared sensors, for determining club face alignment and for activating said indicators to indicate club face alignment.

10. The device of claim 9, wherein said filter means is a capacitor.

11. The device of claim 9, wherein said processing means is a microprocessor.

12. A golf club for impacting a golf ball, comprising:

a club head having a club face with a plurality of infrared sources, a plurality of infrared sensors, and indicators configurable to indicate club face alignment;

said infrared sources pulsed at a rate of between 2-6 kilohertz;

said sensors configured on said club head to receiving pulsed infrared signals from said infrared sources and to transmit signals in response to said pulsed infrared signals received;

filter means for blocking direct current signals transmitted by said infrared sensors;

processing means for receiving signals from said infrared sensors, for determining club face alignment, and for activating said indicators to indicate club face alignment.

13. The device of claim 12, wherein said filter means is a capacitor.
14. The device of claim 12, wherein said processing means is a microprocessor.
15. A golf club for impacting a golf ball comprising:
- a club head having a club face;
  - a plurality of infrared sources on the club face;
  - a first regulator for regulating the plurality of infrared sources;
  - a plurality of infrared sensors on the club face;
  - a second regulator for regulating the bias current of the plurality of infrared sensors;
  - a filter on at least one of said sensors for filtering received signals, said sensors being configured on said club head to receive infrared signals from said infrared sources;
  - a processor for receiving filtered signals from said infrared sensors for determining the club face alignment based upon the signals received; and
  - indicators configurable to indicate club face alignment activated by said processor.
16. The device of claim 15, wherein said plurality of infrared sensors comprises phototransistors.
17. The device of claim 15, wherein said regulator for the plurality of infrared sources comprises a voltage regulator for regulating the voltage applied to the plurality of infrared sources.
18. The device of claim 15, wherein said regulator for regulating the plurality of infrared sensors comprises a current regulator for regulating the bias current through the plurality of infrared sensors.